Appl. No. 09/854,334 Amdt. Dated June 15, 2005 Reply to Office Action of December 15, 2004

EXHIBIT A



AUGUST 08, 2001

BLAKELY SOKOLOFF TAYLOR ET AL. JOHN P. WARD 12400 WILSHIRE BLVD, 7TH FLR LOS ANGELES, CA 90025-1030



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231



UNITED STATES PATENT AND TRADEMARK OFFICEBLAKELY, SOKOLOFF, TAYLOR & ZAFMAN NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT LOS ANGELES

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/07/2001

REEL/FRAME: 011829/0561

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KIKINIS, DAN

DOC DATE: 07/17/2001

ASSIGNOR:

KAMEN, YAKOV

DOC DATE: 07//17/2001

ASSIGNEE:

ISURFTV, INC.

413 TASMAN DRIVE

SUNNYVALE, CALIFORNIA 94089

SERIAL NUMBER: 09854334

PATENT NUMBER:

FILING DATE: 05/11/2001

ISSUE DATE:

DOROTHY RILEY, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

ENTERED

AUG 17 2001

STATUS DB-LA

08/07/2001 700006744

JUN 1 5 2005

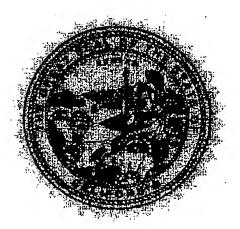
Form PTO-1595 (Rev. 03/01) CMB No. 0651-0027 (cm. 5/31/2002) PATENT	LLC Detect and Trademed Office
ONID 110. 003 1-0021 (BAD. 3/3 1/2002)	
Tab settings To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies): Dan Kikinis	2. Name and address of receiving party(ies)
	Name: iSurTV, inc.
Yakov Kamen	Internal Address:
Additional name(s) of conveying party(les) attached? Yes No	
3. Nature of conveyance:	
Assignment Merger	440 T D.:-
Security Agreement Change of Name	Street Address: 413 Tasman Drive
Other	
	City: Sunnyvale State: CA Zip: 94089
Execution Date: July 17, 2001	Additional name(s) & address(es) attached? Yes No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new applic	cation, the execution date of the application is:
A. Patent Application No.(s) 09/854,334	B. Patent No.(s)
	ached? Tyes I No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name:	7. Total fee (37 CFR 3.41)\$_40.00
Internal Address:	☐ Enclosed
	Authorized to be charged to deposit account
Street Address: Blakely Sokoloff Taylor & Zafman LLP	8. Deposit account number:
12400 Wilshire Boulevard, Seventh Floor	02-2668
City: Los Angeles State: California Zip: 90025-1030	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE	THIS SPACE
9. Statement and signature.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
To the best of my knowledge and belief, the foregoing in is a true copy of the original document.	onformation is true and correct and any attached copy
John P. Ward Reg No. 40,216 Name of Person Signing	Signature Date
	sheet, attachments, and documents:



SECRETARY OF STATE

I, Kevin Shelley, Secretary of State of the State of California, hereby certify:

That the attached transcript of _____ page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.



IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

JUL - 7 2003

Secretary of State

Sec/State Form CE-107 (rev. 1/03)

A0598551

CERTIFICATE OF AMENDMENT

ENDORSED - FILED
In the office of the Secretary of State
of the State of California

JUL - 7 2003

KEVIN SHELLEY Secretary of State

OF ISURFTY

Gene Feroglia and Katherine Y. Marshall certify that:

- 1. They are the duly elected and acting President and Secretary, respectively, of iSurfTV, a California corporation (the "Corporation").
- 2. Article I of the Corporation's Fourth Amended and Restated Articles of Incorporation, which were filed with the California Secretary of State on July 12, 2002, which presently reads as follows:

"The name of the Corporation is iSurfTV"

is amended to read as follows:

"The name of the corporation is Etalon Systems, Inc."

- 3. The foregoing amendment of the Fourth Amended and Restated Articles of Incorporation has been duly approved by the Board of Directors of the Corporation.
- 4. The foregoing amendment of the Fourth Amended and Restated Articles of Incorporation has been duly approved by the required vote of the shareholders of the Corporation in accordance with Sections 603 and 903 of the California General Corporation Law. The total number of outstanding shares of this corporation entitled to vote with respect to the foregoing Certificate of Amendment to Fourth Amended and Restated Articles of Incorporation was 9,083,535 shares of Common Stock, 937,500 shares of Series A Preferred Stock, 3,246, 373 shares of Series B Preferred Stock, 411,523 shares of Series B-1 Preferred Stock and 1,028,513 shares of Series C Preferred Stock. The number of shares voting in favor of the amendment equaled or exceeded the vote required, such required vote being at least a majority of the total number of outstanding shares of Preferred Stock and at least a majority of the total number of outstanding shares of Preferred Stock and at least a majority of the total number of outstanding shares of Preferred Stock.

The undersigned declares under penalty of perjury under the laws of the State of California that he has read the foregoing Certificate of Amendment and that the matters set forth in this Certificate are true and correct to his own knowledge.

Executed at Sunnyvale, California on July 3,

dene Feroglia, President

Katherine Y. Marshall, Secretary

Gray Cary\PA\10024873.1

_ocket No.: 90795/12650

FORM PTO-1595 (Mc	odified)
(Rev. 03-01) OMB No. 0651-0027 ((exp.5/31/2002)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

Tab settings → → → ▼	▼ ▼ ▼ ▼ ▼
To the Honorable Commissioner of Patents and Trademarks	: Please record the attached original documents or copy thereof.
1. Name of conveying party(ies): Etalon Systems, Inc.	2. Name and address of receiving party(ies):
Etalon Systems, 2	Name: Eagle New Media Investments, LLC
	Internal Address: c/o Tribune Media Services, Inc.
Additional names(s) of conveying party(les)	
3. Nature of conveyance:	
🛛 Assignment 🔲 Merger	Street Address: 435 North Michigan Avenue
☐ Security Agreement ☐ Change of Name	
Other	City: Chicago State: IL ZIP: 60611
Execution Date: July 14, 2003	Additional name(s) & address(es) attached? Yes No
4. Application number(s) or patent numbers(s):	
If this document is being filed together with a new application	n, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/854,334; 09/854,339; 09/783,886;	6,342,884; 6,456,287; 6,356,280; 6,452,594;
09/783,932; 09/844,642; 09/858,762;	6,570,586; 6,229,541; 6,421,067; 6,205,485;
09/875,546; 09/875,460; 09/875,707;	and 6,525,728
09/875,461; 09/875,547; 09/947,286; 09/733,824; 09/909,630; 10/029,784;	
Additional numbers at	ached? 🗷 Yes 🗌 No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 76
Name: Robert J. Depke	7. Total fee (37 CFR 3.41):\$ 3,040.00
Internal Address: Holland & Knight LLC	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
·	Authorized to be charged to deposit account
Street Address: 131 South Dearborn, 30th Floor	8. Deposit account number:
	50-1597
City: Chicago State: IL ZIP: 60603	(Attach duplicate copy of this page if paying by deposit account)
	OT USE THIS SPACE
 Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. 	mation is true and correct and any attached copy is a true copy
Philip W. Woo, Reg. No. 39,880	July 18, 2003
Name of Person Signing Total number of pages including cover	Signature School attachments and document:
Lotal number of pages including cover	ander, and ordernoise

Docket No.: 90795/12650

A PTO-1595 (Modified)	RECORDATION FOR	A COVER SHEET	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
03-01) No. 0651-0027 (exp.5/31/2002)	PATENTS		
5 C M3	V	▼	risingly documents or copy thereof.
b settings > > > V To the Honorable Commissioner of Pa	atents and Trademarks: Pl	ease record the attached of	polyting party(ies):
Name of conveying party(ies): Etalon Systems, Inc.		Name: Eagle New Medi	
Additional names(s) of conveying party(les)	☐ Yes 🖾 No		
S. Nature of conveyance: Assignment] Merger	Street Address: 435 No	orth Michigan Avenue
Security Agreement	Change of Name	City: Chicago	State: IL ZIP: 60611
Execution Date: July 14, 2003		Additional name(s) & addre	ss(es) attached?
4. Application number(s) or patent null fithis document is being filed toget A. Patent Application No.(s) 09/854,334; 09/854,339; 09/875,346; 09/875,546; 09/875,460; 09/875,546; 09/875,547; 09/9733,824; 09/909,630; 10/9733,824; 09/9733,824; 09/909,630; 10/9733,824; 09/9733,8	2/783,886; 2/858,762; 2/875,707; 2/947,286; 2/029,784; Additional numbers atta om correspondence mailed:	6,342,884; 6,456,2 6,570,586; 6,229,5 and 6,525,728 Ached?	287; 6,356,280; 6,452,594; 541; 6,421,067; 6,205,485; ications and patents involved: 76 41):\$ 3,040.00 excess or insufficiency should be ed to deposit account charged to deposit account
Street Address: 131 South Dear	born, 30th Floor	8. Deposit account nun	
City: Chicago	State: <u>IL</u> ZIP: <u>60603</u>	_	of this page if paying by deposit account)
		OT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and	nd belief, the foregoing info	rmation is true and correct a	and any attached copy is a true copy July 18, 2003
of the original document. Philip W. Woo, Reg. No. 39,880		Signature	July 10, 2000

	i.							
m	$\wedge \cap$	KET	NIA		<u>በም</u> በ	. P 11	12/5	'n
		6 N. I	101		(1) / Y	•	יסעו	
•	\sim		110	•• •		· •		•

EXPRESS MAIL NO.: EV 305 257 721 US

FORM PTO-1595 1-31-92 RECOR	U.S. DEPARTMENT OF COMMERCE DATION FORM COVER SHEET - Page Two Patent and Trademark Office PATENTS ONLY
To the Honorable Director of Patents and	Trademarks. Please record the attached original documents or copy thereof.
1. Additional name(s) of conveying party	(ies): 2. Additional Names and address of receiving party(ies): Name: Internal Address:
	Street Address:
	City State ZIP Name:
	Internal Address:
	Street Address:
4. Additional Application number(s) or pa	
A. Patent Application No.(s) 10/029,508; 09/997,713; 09/997,336; 10 10/011,856; 10/072,114; 10/059,943; 10 10/087,778; 10/085,886; 10/090,206; 10 10/071,091; 10/087,975; 10/159,543; 10 10/171,024; 10/171,230; 10/177,462; 10 10/179,708; 10/179,713; 10/171,352; 09 10/039,589; 10/144,055; 10/156,167; 09 09/784,961; 09/784,840; 09/691,794; 09 09/691,796; 09/704,387; 09/708,220; 09 09/752,612; 09/844,998; 09/653,518; 09 09/665,367; 09/782,916; 09/664,843; 09 09/664,844; 09/773,806; 09/773,771; 09 09/996,456; 10/157,437; 10/351,228; an	/059,547; /157,574; /166,810; /177,502; /718,595; /449,016; /691,792; /691,790; /782,896; /661,164; /733,310;

ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

- A. WHEREAS, Etalon Systems, Inc., a California corporation formerly known as iSurfTV ("Assignor"), and Eagle New Media Investments, LLC, a Delaware limited liability company ("Assignee"), are parties to that certain Asset Purchase Agreement dated as of July 2, 2003 (the "Purchase Agreement"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;
- B. WHEREAS, Assignor, warrants, affirms, and declares, without limitation, that Assignor is the sole owner of all rights in or under the intellectual property rights identified on Schedule A attached hereto.
- C. WHEREAS, Assignee desires to acquire all intellectual property rights identified on Schedule A attached hereto.
- D. NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby irrevocably sells, transfers, conveys and assigns to Assignee, its successors and assigns all intellectual property rights identified on Schedule A attached hereto and all goodwill associated therewith.
- E. Assignor and Assignee agree and confirm that the worldwide intellectual property rights that are hereby sold, transferred, conveyed and assigned to Assignee herein specifically include, without limitation, the following:
 - 1. the patents, patent registrations, patent applications (including, without limitation, provisional applications, and regardless of whether such applications are current or abandoned) and abandoned patents identified on Schedule A (the "Patents"), including all patent licenses, divisional applications, continuing applications, continuation-in-part applications, reissue filings and reissue patents, reexamination filings and reexamined patents, and the inventions disclosed and claimed in these Patents;
 - 2. all trademarks, service marks, trade names and company names, whether registered or unregistered, identified on Schedule A (the "Marks"), including, trademark and service mark registrations and renewals thereof, use-based applications for registration, and intent-to-use applications for registration, and all goodwill associated with the foregoing;
 - 3. all copyrights identified on Schedule A (the "Copyrights"), including any and all renewals, reversions and extensions thereof; and
 - 4. all claims, demands and causes of action which relate to any infringement of the Patents, Marks, or Copyrights, including rights to all past damages, profits

Gray Cary\SF\3090577.5 2100022-900800 and other monetary and other remedies available, arising or accruing by reason of any infringement that has occurred prior to the effective date of this Assignment of Intellectual Property Rights, and to sue for and collect same by the Assignee for the use and benefit of the Assignee and its successors and assigns.

- F. Assignor further hereby appoints Assignee as its attorney-in-fact with respect to the Patents, Marks and Copyrights, to act in Assignor's name, place and stead to execute, deliver and record any instrument of assignment or other document in any country in which the Patents, Marks and/or Copyrights are or were pending or issued, granting, confirming, perfecting the transfer of or otherwise relating to the rights assigned herein.
- G. Assignor agrees that it shall execute all documents reasonably necessary to perfect Assignee's title to the Patents, Marks and Copyrights.
- H. Nothing contained herein in any way limits the scope of the Purchased Assets being transferred by Assignor to Assignee pursuant to the Purchase Agreement.
- I. The Assignor and Assignee acknowledge that this Assignment of Intellectual Property Rights may be executed in counterparts, each of which will be deemed an original, but both of which together will constitute one and the same instrument.

IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this 145 day of July, 2003.

ETALON SYSTEMS, INC., formerly known as ISURFTV, Assignor

By: ___ Name:

Title:

EAGLE NEW MEDIA INVESTMENTS, LLC, Assignee

By Tribune Company, its sole manager

By: _____

Name:

Title:

IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this _____ day of July, 2003.

ETALON SYSTEMS, INC., formerly known as ISURFTV, Assignor

By: _ Name:

Title:

EAGLE NEW MEDIA INVESTMENTS, LLC, Assignee

By Tribune Company, its sole manager

By: Navel Name: David J. Granat
Title: Vice President

STATE OF CALIFORNIA)) SS.:	
COUNTY OF SAMIA CLARA)	
On this 11 day of July, 2003, before to me known and known to be of Etalon Systems, Inc., formerly executed the foregoing instrument, and he acknowled	President & CEO , the known as iSurfTV, the corporation which
	WANG N. DEBAI mission # 1419000 y Public - Calliomia nto Clara County
	management of all 1997 beared
of Tribune Company, the sole m	anager of Eagle New Media Investments
LLC, the corporation which executed the foregoing in the executed the same.	istrument, and he acknowledged to me that
	Notary Public
	My Commission expires

STATE OF CALIFORNIA)	
) SS.:	
COUNTY OF	
On this day of July, 2003, before	me personally appeared
, to me known and known to be	, the
	known as iSurfTV, the corporation which
executed the foregoing instrument, and he acknowled	ged to me that he executed the same.
	Notary Public
	My Commission expires
	wry commission expires
STATE OF ILLINOIS)	
) SS.:	
COUNTY OF COOK)	
On this day of July, 2003, before	me personally appeared David J. Granat, to
me known and known to be a Vice President of Tribu	
New Media Investments LLC, the corporation which	
acknowledged to me that he executed the same.	
Carelany Loss	
	Notary Public
ÓFFIGDIL SEAL	My Commission expires 9-19-06
KNIBBILY LOPEZ	
MY COMMERCIO EXPIRES: 00-18-08	

SCHEDULE A

Marks
Title: iSurfTV Reg. No.:
Date registered:
Title: SurfGuide Reg. No.:
Date registered:
Title: SurfSuite
Reg. No.: Date registered:
Title: SurfLine Reg. No.:
Date registered:
Title: SurfLink Reg. No.:
Date registered:
Title: SurfServer Reg. No.:
Date registered:
Copyrights
Title: SurfServer source code and all related documentation. Reg. No.: Date registered:
Title: SurfLine source code and all related documentation. Reg. No.: Date registered:
Title: SurfGuide source code and all related documentation. Reg. No.: Date registered:
Patents
See attached spreadsheet

Gray Cary\SF\3090577.5 2100022-900800 SF1 ·1374620v4

SCHEDULE A Issued Patents

SurTV				
Docket				
Number	Patent Number	Title	Inventor(s)	Issue Date
-	6,342,884	Method and apparatus for using a general three-	Kamen, Yakov;	29-Jan-2002
		dimensional (3D) graphics pipeline for cost effective digital Shirman, Leon	Shirman, Leon	
		image and video editing, transformation, and		
		representation		
7	6,456,287	Method and apparatus for 3D model creation based on 2D Kamen, Yakov,	Kamen, Yakov;	24-Sep-2002
		limages	Shirman, Leon	
က	6,356,280	Mechanism and apparatus for realistic 3D model creation	Kamen, Yakov;	12-Mar-2002
		using interactive scissors	Shirman, Leon	
2	6,452,594	Method and apparatus for using a 3D graphics pipeline	Kamen, Yakov;	17-Sep-2002
		and 3D imaging for cost effective watermarking	Shirman, Leon	
တ	6,570,586	Bandwidth effective method for communicating interactive Kamen, Yakov,	Kamen, Yakov;	27-May-2003
		links	Shirman, Leon	
우	6,229,541	Use of templates for cost-effective secure linking of video	Kamen, Yakov;	8-May-2001
		stream objects	Shirman, Leon	
12	6,421,067	Electronic programming guide	Kamen, Yakov;	16-Jul-2002
			Shirman, Leon	
2	6,205,485	Simulcast WEB page delivery using a 3D user interface	Kikinis, Dan	20-Mar-2001
		system		
9/	6,525,728	Method and apparatus for using a general three-	Kamen, Yakov;	25-Feb-2003
		dimensional (3D) graphics pipeline for cost effective digital Shirman, Leon	Shirman, Leon	
		image and video editing, transformation, and		
		representation		

SCHEDULE A Published Patent Applications

SurTV	USPTO			Date		
Docket	Application			Number	Sprial	
Number	Number	Title	Inventor(s)	Assigned	Number	Filing Date
20	20020059605	Universal programming system and method for EPG with localized interactive content	Kikinis, Dan; Kamen, Yakov	16-May-2002 09-854334	09-854334	1.1-May-2001
21	20020059606	Universal programming system and method for EPG with	Kikinis, Dan;	16-May-2002 09-854339	09-854339	11-May-2001
60	2000000	added offline archive	Kamen, Yakov			
3	200200054066	Method and system for inputting time in a video	Kikinis, Dan;	9-May-2002	9-May-2002 09-783886	14-Feb-2001
25	20040025004		Kamen, Yakov			
C 7	20010033884	Metriod and system for inputting time in a video environment using sliders	Kikinis, Dan; Kamen Yakov	1-Nov-2001	1-Nov-2001 09-783932	14-Feb-2001
56	20020005910	Novel cursor control system	Kikinis Dan	17- Jan-2002 09-844642	00-844642	27-Anr-2004
34	20020007488	Transparent object management for removable media	Kikinis, Dan;	17-Jan-2002 09-858762	09-858762	15-May-2001
		recorders	Kamen, Yakov			•
35	20020019980	Remote control of program scheduling	Kikinis, Dan	14-Feb-2002 09-875546	09-875546	5-Jun-2001
ဗ္ဂ	20020010925	Remote control of program scheduling	Kikinis, Dan	24-Jan-2002	09-875460	5-Jun-2001
37	20020059597	Method and apparatus for notifying users of interactive	Kikinis, Dan;	24-Jan-2002 09-875707	09-875707	5-Jun-2001
		functions	Kamen, Yakov			7
88	20020019732	Interactivity using voice commands	Kikinis, Dan;	14-Feb-2002 09-875461	09-875461	5-Jun-2001
			Kamen, Yakov;			
30			Feroglia, Gene			
n n	20020019986	Enhanced home entertainment system with removable long-term storage	Kikinis, Dan	14-Feb-2002 09-875547	09-875547	5-Jun-2001
9	20020049982	Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those	Kikinis, Dan	25-Apr-2002 09-947286	09-947286	5-Sep-2001
		unable to expand to support browsing or interactive linking				
45	20020073428	Downloading and transfer of audio or video data from	Gurevich, Leonid;	13-Jun-2002 09-733824	09-733824	8-Dec-2000
		video broadcasts	Kazantsev, Sergei; Olkha, Lev;		·	
ļ			Zaslavsky, Eduard			
.	20020047849	Method and system for modification of EPG object attributes	Kamen, Yakov	25-Apr-2002 09-909630	089606-60	19-Jul-2001
. 47	20020085090	Method and apparatus for generation of a preferred broadcasted programs list	Kamen, Yakov	4-Jul-2002	4-Jul-2002 10-029784	19-Oct-2001

SCHEDULE A Published Patent Applications

				Date		
SurTV	USPTO			Application		
Docket	Application			Number	Serial	
Number	Number	Title	Inventor(s)	Assigned	Number	Filing Date
48	20020083452	Method and system for inserting a new channel into a list of preferred channels	Kikinis, Dan	27-Jun-2002 10-029508	10-029508	19-Oct-2001
49	20020087595	Method and apparatus for virtual editing of multimedia	Friedman, Glen; Kikinis Dan	4-Jul-2002	4-Jul-2002 09-997713	29-Nov-2001
50	20020087985	Methods and apparatuses for displaying meaningful	Kamen, Yakov; Shkolnik Boris	4-Jul-2002	4-Jul-2002 09-997336	29-Nov-2001
52	20020083450	Method and system for content-based broadcasted program selection	Kamen, Yakov; Kikinis. Dan	27-Jun-2002 10-008229	10-008229	30-Nov-2001
53	20020093594	Method and system for identifying addressing data within a Kikinis, Dan television presentation	Kikinis, Dan	18-Jul-2002	18-Jul-2002 10-011856	4-Dec-2001
55	20020166122	Image-oriented electronic programming guide	Kikinis, Dan; Howe, Rick; Kamen, Yakov	7-Nov-2002 10-072114	10-072114	5-Feb-2002
95	20020113798	Modifying object geometry to accommodate information attributes	Kamen, Yakov	22-Aug-2002 10-059943	10-059943	28-Jan-2002
22	20020129369	Mechanism and apparatus for construction of modular-based interactive programming guides and TV portals	Kamen, Yakov	12-Sep-2002 10-059547	10-059547	28-Jan-2002
28	20020124264	Freezing live video frames with interactive links	Kikinis, Dan	5-Sep-2002	5-Sep-2002 10-087778	1-Mar-2002
29	20020124254	Method and system for advertising based on the content of Kikinis, Dan selected channels or broadcasted programs	Kikinis, Dan	5-Sep-2002	5-Sep-2002 10-085886	27-Feb-2002
09	20020188946	Method and system for interactive programming guide background selection	Kohne, Brian	12-Dec-2002 10-090206	10-090206	1-Mar-2002
61	20030014752	Method and apparatus for generating a mosaic style electronic programming guide	Zaslavsky, Eduard; Olkha, Lev	16-Jan-2003 10-157574	10-157574	28-May-2002
63	20020129370	Method and system for implementing an electronic program guide	Kikinis, Dan	12-Sep-2002 10-071091	10-071091	7-Feb-2002
22	20020122079	Multimedia interactive device function selection based upon button depression duration	Kamen, Yakov; Kikinis, Dan	5-Sep-2002	5-Sep-2002 10-087975	1-Mar-2002
65	20030023976	Novel method for making selections in search criteria in TV EPGs	Kamen, Yakov; Kikinis, Dan; Kohne, Brian	30-Jan-2003 10-159543	10-159543	31-May-2002
	•					

SCHEDULE A Published Patent Applications

į				Date		
Suriv	USPTO			Application		-
Docket	Application			Number	Serial	
Number	Number	Title	Inventor(s)	Assigned	Number	Filing Date
8	20030046698	Methods and apparatuses for conducting a TV EPG search in various search time periods	Kamen, Yakov; Kikinis, Dan;	6-Mar-2003 10-166810	10-166810	10-Jun-2002
15	000770000		Kimball, Brian			
/9	20030011636	Method for magnifying images on a display screen and an interactive television guide system implementing the	Feroglia, Gene; Kohne, Brian;	16-Jan-2003 10-171024	10-171024	11-Jun-2002
03	73700000000	method	Kikinis, Dan		,	
8	7903003757	Method for displaying channel listings in an electronic program guide and an electronic program guide implementing the method	Kikinis, Dan	9-Jan-2003 10-171230	10-171230	11-Jun-2002
69	2003001470	Methods and system for controlling access to individual titles	Kamen, Yakov	16-Jan-2003 10-177462	10-177462	19-Jun-2002
70	20030007782	Method and system for replacing/obscuring titles and descriptions of recorded content	Kamen, Yakov	9-Jan-2003 10-177502	10-177502	19-Jun-2002
71	20030023980		Kikinis, Dan;	30-Jan-2003 10-179708	10-179708	24-Jun-2002
		programming packages	Kamen, Yakov; Kimball Brian			
72	20030014546	Method and system for enabling visitors to subscribe to	Kikinis Dan	16-lan-2003 10-179713	10-179713	24 Lun-2002
		currently-viewed programming packages	Feroglia, Gene;		2	
			Kamen, Yakov; Kimball, Brian			
74	20030028881	Method for providing program information in a hierarchical	Kazantsev, Sergei;	6-Feb-2003 10-171352	10-171352	11-Jun-2002
		manner and interactive program guide system	Olkha, Lev;			
		implementing the method	Zaslavsky, Eduard; Turivnenko, Semev			, ,
75	20020073219	Simulcast web page delivery	Kikinis. Dan	13-Jun-2002 09-718595	09-718595	21-Nov-2000
11	20020093513	Mechanism and apparatus for realistic 3D model creation	Kamen, Yakov;	18-Jul-2002 10-039589	10-039589	4-Jan-2002
		using interactive scissors	Shirman, Leon			
2	20020167515	Method and apparatus for 3D model creation based on 2D		14-Nov-2002 10-144055	10-144055	10-May-2002
Co	20020474000	il rayers	Shirman, Leon			
70	200201/1686	Electronic programming guide	Kamen, Yakov; Shirman Leon	21-Nov-2002 10-156167	10-156167	28-May-2002
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

}

1

SCHEDULE A Other Pending Applications

Surfiv								
Docket			Provisional	Provisional	Utility Filing	USPTO Uffility	PCT Filing	
Number	Title	Inventor(s)	Filing Date	Number		Serial Number	Date	PCT Number
=	Method for using banner advertisements during	Kamen, Yakov;	W/A	N/A	24-Nov-1999	09-449016	13-Nov-2000	13-Nov-2000 WO 01-39493
ļ	Commercial preaks	Shirman, Leon						
<u> </u>	Method and apparatus for controlling the movement or changing the appearance of a three-dimensional element	Kamen, Yakov, Shirman, Leon	16-Feb-2000	60-182838	15-Feb-2001	09-784961	16-Feb-2001	16-Feb-2001 WO 01-61996
4	Mechanism and apparatus for a 3D enabled web navigator	Kamen, Yakov;	16-Feb-2000	60-182870	15-Feb-2001	09-784840	16-Feb-2001	16-Feb-2001 WO 01-60142
15	Method and system for optimal usage of memory for	Kamen, Yakov;	16-Mar-2000	60-190327	18-Oct-2000	09-691794		
	storing scheduling and guide data in 3D enabled EPG	Shirman, Leon						
9	Method and system for adaptive electronic programming	Kamen, Yakov;	16-Mar-2000	60-190349	18-Oct-2000	09-691792		
47	guide	Shirman, Leon						
=	Novel metriod for EPG use in conjunction with object databases	Kikinis, Dan	27-Mar-2000	60-192163	18-Oct-2000	09-691796		
85	Real world/virtual world correlation system using a 3D graphics pipeline	Kikinis, Dan	5-Apr-2000	60-194977	31-Oct-2000	09-704387	3-Apr-2001	3-Apr-2001 WO 01-78014
19	Universal programming system for EPG	Kamen, Yakov; Shirman, Leon	20-Apr-2000	60-199013	7-Nov-2000	09-708220	10-Apr-2001	10-Apr-2001 WO 01-82594
22	Novel method for EPG use in conjunction with objects	Kikinis, Dan	6-Apr-2000	60-195161	18-Oct-2000	09-691790		
24	New method for finding the same or similar shows	Kikinis, Dan	5-May-2000	60-202303	29-Dec-2000	09-752612		
22	Dual-screen set-top box	Kikinis, Dan	27-Apr-2000	60-200514	27-Apr-2001	09-844998		
8	Novel time/channel navigation method for EPGs	Kikinis, Dan	20-Apr-2000	60-199009	31-Aug-2000	09-653518		
53	3D enhanced advertising for regular TV broadcast of 2D video	Kikinis, Dan	11-May-2000	60-203496	13-Feb-2001	09-782896		
೫	Three-dimensional light electronic programming guide	Kikinis, Dan	8-May-2000	60-203128	19-Sep-2000	09-665367	21-May-2001	21-May-2001 WO 02-25626
34	Localized advertising using localized 3D templates	Kikinis, Dan	16-May-2000	60-204875	13-Feb-2001	09-782916		
35	Perpendicular view three-dimensional electronic	Kamen, Yakov;	2~Jun-2000	60-208883	19-Sep-2000	09-664843		
33	Similar garde	KIKINIS, Dan						
3	insertion of recorded media into a broadcast	Kamen, Yakov; Kikinis, Dan	13-Jun-2000	60-211355	13-Sep-2000	09-661164	9-Apr-2001	9-Apr-2001 WO 01-95694
4	Enhanced interactive messaging environment	Olkha, Lev; Gurevich, Leonid;	11-Aug-2000	60-224824	19-Sep-2000	09-664844		
		Kazantsev, Serger; Zaslavsky, Eduard						
42	1-commerce of non-video information associated with TV programs	Olkha, Lev; Gurevich, Leonid;	30-Aug-2000	60-229249	8-Dec-2000	09-773806		
		Kazantsev, Sergei; Zaslavsky, Eduard						
43	Real-time notification of TV shows matching specified	Olkha, Lev;	30-Aug-2000	60-229250	8-Dec-2000	09-773771		
		Kazantsev, Sergei;	-			,		
		Zaslavsky, Eduard						

}

SCHEDULE A Other Pending Applications

SurfTV Docket Number	Title	Inventor(s)	Provisional Filing Date	Provisional Number		USPTO Utility Serial Number	PCT Filing Date	PCT Number
4	Enhanced integrated book-marking system for existing seltop boxes including those without browsing capabilities and those unable to support browsing or interactive linking	Colkha, Lev. Gurevich, Leonid; Kazantsev, Sergei; Zaslavsky, Eduard; Kikinis, Dan	6-Sep-2000	60-230494	8-Dec-2000	09-733310		
51	Alphabetic search using single application of keys	Kikinis. Dan	1-Dec-2000	60-250980	28-Nov-2001	09-996456	3-Dec-2001	3-Dec-2001 WO 02-44.880
62	A method for implementing an electronic program guide	Zaslavsky, Eduard; Kikinis, Dan	29-May-2001	60-294455	28-May-2002	10-157437		
73	Use of templates for cost-effective secure linking of video stream objects				26-Mar-2001			
78	Enhanced personal video recorder architecture	Kikinis, Dan	25-Jan-2002	60-352187	25-Jan-2003	10-351228		
79	Audio command and response for IPGs	Kikinis, Dan	25-Jan-2002	60-352142	25-Jan-2003	10-351027		
8	Multi-viewpoint portholes in a 3D rendering environment	Kamen, Yakov; Mizutani, Yoshihiro	28-Feb-2002	60-360582				
83	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
2	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
88	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan				٠		
98	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
87.	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
88	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
68	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
06	Compact IPG	Ezekwe, David						
91	Method of video recording spam control for a high- capacity storage system	Kamen, Yakov						
35	Mechanism and apparatus for adaptive, fast, cost effective texture manning in 3D rendering	e Gordon, Iouri:						
		Kazantsev, Sergei;						
		Misutani, Yoshihiro						
93	Mechanism and apparatus for adaptive event description generation using multi-resolutional description database	Kamen, Yakov						
क्ष	Method and apparatus for effective content recording in digital personal video recorders	Kamen, Yakov						

)

SCHEDULE A Other Pending Applications

Docket			Provisional	Provisional	Provisional Utility Filling USPTO Utility	LISPTO LIMITA	PCT Filing	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Number Title	Title	Inventor(s)	Filing Date	Number	Date	Serial Number		DCT Number
95	Method and apparatus for effective information storage in	-	3					
	high-capacity personal video recorders							
8	Using XML-based descriptors and procedural texture	Kamen, Yakov		,				
	mapping pipeline to generate text-based textures							

SCHEDULE A Combined Patent Applications

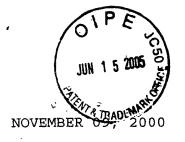
ISurfTV Docket Number Title	Titte	inventor(s)	Provisional Filing Date	Provisional Provisional Filing Date Number	Utility Filing Date	USPTO Utility Serial Number	PCT Filing Date	27 Filing Date PCT Number NOTES	NOTES
7	Method and apparatus for interactive marking of moving Kamen, Yakov; objects in video streams and animated image sequences Shirman, Leon	oving Kamen, Yakov; ences Shirman, Leon	N/A	Y.	3-Sep-1999		2-Sep-1999	WO 01-18676	2-Sep-1999 WO 01-18876 PCT combined -Docket #9
&	Method and apparatus for recognition of optimal Intermediate key frame for object tracking in video streams and animated sequences.	Kamen, Yakov; Shirman, Leon	X X	N N	3-Sep-1999		2-Sep-1999	WO 01-18676	2-Sep-1999 WO 01-18676 PCT combined -Docket #9

SCHEDULE A Abandoned Patent Applications

SurTV						USPTO		
Docket			Provisional	Provisional	Provisional Provisional Utility Filing Serial	Serial	PCT Filing	
Number Title	Title	Inventor(s)	Filing Date	Number	Date Number		- 1	Date PCT Number
4	Novel method and apparatus for controlling video	Kamen, Yakov;	3-Feb-1999	N/A	N/A 20-Aug-1999	Ϋ́	2-Feb-2000	2-Feb-2000 WO 00-46680
	programming	Shirman, Leon						
4a	Remote control device	Kamen, Yakov;	25-Jun-1999		N/A 20-Aug-1999	¥ X	2-Feb-2000	N/A 2-Feb-2000 WO 00-46680
		Shirman, Leon						

SCHEDULE A Foreign Patent Filings

	SurfTV Docket		International		:		
Ащошех	Number	Reference No.	Filing Date	PCT Application #	Publication No.	Status	Additional Information
BSTZ	13	P001PCT	16-Feb-2001	-Feb-2001 PCT/US01/05056	WO 01/61996 A1	Published 08/23/2001	Written Opinion mailed 7/24/02
BSTZ	18	P006PCT	3-Apr-2001	3-Apr-2001 PCT/US01/11165	WO 01/78014 A1	Published 10/18/2001	Prelim Exam mailed 4/19/02
BSTZ	21	P017PCT	11-May-2001	-May-2001 PCT/US01/15405	WO 01/86949 A1	Published 11/15/2001	Prelim Exam mailed 2/25/2002
BSTZ	39	P027PCT	10-Aug-2001	10-Aug-2001 PCT/US01/41664	WO 02/15594 A1	Published 02/21/2002	Prelim Exam mailed 02/13/2003
BSTZ	48	P037PCT	19-Oct-2001	-Oct-2001 PCT/US01/51571	WO 03/005147 A2	Published 01/16/2003	Response to Invitation to Correct
							Delects lied 12/09/2002
BSTZ	51	P051PCT	3-Dec-2001	LDec-2001 PCT/US01/46378	WO 02/044880 A1	Published 06/06/2002	Search Report mailed 3/25/02
BSTZ		P051CA	30-May-2003	30-May-2003 not yet assigned		awaiting exam	
BSTZ	53	P053PCT	4-Dec-2001	-Dec-2001 PCT/US01/46802	WO 02/47390 A1	Published 06/13/2002	Search Report mailed 5/13/02
BSTZ	95	P056PCT	1-Feb-2002	-Feb-2002 PCT/US02/02670	WO 02/065313 A1	Published 08/22/2002	Search Report mailed 6/21/02
BSTZ	71	P071PCT	25~Jun-2002	25-Jun-2002 PCT/US02/20306	WO 03/001789 A2	Published 01/03/2003	Search Report mailed 12/18/02
	SurfTV Docket		International	International			
Attorney	Number	Reference No.	Filing Date	Application No.	PCT Application #	PCT Notes	
Leeds	1	isurfTV1-CN	3-Feb-2000	00803291.2	PCT/US00/02838	national phase	
Leeds	-	isurTV1-EP	3-Feb-2000	6.65650600	PCT/US00/02838	regional phase	
Leeds	-	isurTV1-JP	3-Feb-2000	2000-597760	PCT/US00/02838	national phase	
Leeds	2	isurfTV2-EP	2-Feb-2000	00913354.7	PCT/US00/02786	regional phase	
Leeds	7	isurTV7-CN	2-Sep-2000	00812075.7	PCT/US00/24263	national phase	
Leeds	7	isurfTV7-EP	2-Sep-2000	8.09865600	PCT/US00/24263	regional phase	
Leeds	7	isurfTV7-JP		2001-522419	PCT/US00/24263	national phase	
Leeds	11	isurTV11-EP	13-Nov-2000	00978601.3	PCT/US00/31195	regional phase	
Leeds	12	isurfTV12-EP	12-Jan-2001	01902035.3	PCT/US01/01054	regional phase	
		CN = Chinese Patent Office	ant Office				
		EP = European Patent Office	tent Office				
		JP = Japanese Patent Office	lent Office				





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

PTAS

KENNETH LEEDS PO BOX 2819 SUNNYVALE, CA 94087-0819



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/11/2000

REEL/FRAME: 011090/0636

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KAMEN, YAKOV.

DOC DATE: 09/05/2000

ASSIGNOR:

SHIRMAN, LEON

DOC DATE: 09/05/2000

ASSIGNEE:

ISURTTV

413 TASMAN DRIVE

SUNNYVALE, CALIFORNIA 94089

SERIAL NUMBER: 09389916

PATENT NUMBER:

FILING DATE: 09/03/1999

THE PROPERTY OF THE PARTY OF TH

ISSUE DATE:

SERIAL NUMBER: 09344442

PATENT NUMBER:

FILING DATE: 06/25/1999

ISSUE DATE:

SERIAL NUMBER: 09378270

PATENT NUMBER:

FILING DATE: 08/20/1999

ISSUE DATE:

011090/0636 PAGE 2

SERIÁL NUMBER: 09398568

PATENT NUMBER:

SERIAL NUMBER: 09361470

PATENT NUMBER:

SERIAL NUMBER: 09378184

PATENT NUMBER:

SERIAL NUMBER: 09488361

PATENT NUMBER:

SERIAL NUMBER: 09374876

PATENT NUMBER:

SERIAL NUMBER: 09390047

PATENT NUMBER:

SERIAL NUMBER: 09417991

PATENT NUMBER:

SERIAL NUMBER: 09449016

PATENT NUMBER:

SERIAL NUMBER: 09390044

PATENT NUMBER:

FILING DATE: 09/16/1999

ISSUE DATE:

FILING DATE: 07/27/1999

ISSUE DATE:

FILING DATE: 08/20/1999

ISSUE DATE:

FILING DATE: 01/16/2000

ISSUE DATE:

FILING DATE: 08/16/1999

ISSUE DATE:

FILING DATE: 09/03/1999

ISSUE DATE:

FILING DATE: 10/13/1999

ISSUE DATE:

FILING DATE: 11/24/1999

ISSUE DATE:

FILING DATE: 09/03/1999

ISSUE DATE:

JOANN STEWART, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

生物 建甲基甲基

FORM PTO-1619A

Expires p8/30/99

OMB 0651-0027

OPRIFINANCE

SECON

09-25-2000

101467533

U.S. Department of Commerce Patent and Trademark Office PATENT

RECORDATION FORM COVER SHEET

· ·		PATENTS ONLY
		ks: Please record the attached original document(s) or copy(les).
	Submission Type 9-11-00	Conveyance Type
	X New	X Assignment Security Agreement
	Resubmission (Non-Recordation) Document ID#	License Change of Name
	Correction of PTO Error Reel # Frame #	Merger Other U.S. Government
Market A	Corrective Document Reel # Frame #	(For Use ONLY by U.S. Government Agencies) Departmental File Secret File
	Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date
	Name (line 1) Yakov Kamen	Month Day Year 9/5/00
•	Name (line 2)	
	Second Party	Execution Date Month Day Year
	Name (line 1) Leon Shirman	9/5/00
	Name (line 2)	
,	Receiving Party	Mark if additional names of receiving parties attached
	Name (line 1) isurfTV	If document to be recorded is an assignment and the
	Name (line 2)	receiving party is not domiciled in the United States, an appointment
	Address (line 1) 413 Tasman Drive	of a domestic representative is attached. (Designation must be a
	Address (line 2)	separate document from Assignment.)
	Address (line 3) Sunnyvale	CA 94089
	Domestic Representative Name and A	. Gitter for the first receiving Patty only.
epits.	Name	- 1000 the state of the state o
	Address (line 1)	
	Address (line 2)	
	Address (line 3)	
	Address (line 4)	
09/25/2	000 DNGUYEN 00000277 09389916	FOR OFFICE USE ONLY
01 FC+5		

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0851-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

FORM	PTO-1619E
Expireş 06/	30/99
OMB 0651-	-0027

FORM PTO- Expires 06/30/99 OMB 0651-0027	1619B	Page 2	Patent and Trademark Office PATENT
Corresponde	nt Name and Address	Area Code and Telephone Number	408-732-9500
Name [Kenneth Leeds		
Address (line 1)	P.O. Box 2819		
Address (fine 2)	Sunnyvale, CA		
Address (line 3)	94087-0819		
Address (line 4)			
Pages	Enter the total number of p	pages of the attached conveyance docu	ment # [3
	Number(s) or Patent Nu		f additional numbers attached
1		e Patent Number (DO NOT ENTER BOTH number	, , , ,,
09/38991	ent Application Number(s) 6	/488361 Pate	nt Number(s)
09/34444	2 09/361470 09	/374876	
09/37827	0 09/378184 09	/390047	
	s being filed together with a <u>new</u> P t named executing inventor.	atent Application, enter the date the patent applica	tion was <u>Month</u> Day Year
Ente only	eration Treaty (PCT) r PCT application number if a U.S. Application Number not been assigned.	PCT US00/002838pcT PCT PCT	PCT PCT
Number of P	roperties	total number of properties involved.	# 13
Fee Amount	Fee Amour	nt for Properties Listed (37 CFR 3.41):	\$ [\$520
		closed X Deposit Account	
		idditional fees can be charged to the account.) Deposit Account Number:	#[500794
		Authorization to charge additional fees:	Yes X No
Statement a	nd Signature		
attache	best of my knowledge and ed copy is a true copy of the ed herein.	belief, the foregoing information is true e original document. Charges to depos	and correct and any it account are authorized, as
Kenneth	E. Leeds	In weed	Sept. 8, 2000
Name	of Person Signing	Signature	Date

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION DATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office PATENT

ì

			PAIENIS	UNLT			
•	onveying Par		Mark if addit	tional names of conveyIn	ng parties attached	Execution Date Month Day Year	
N	Name (line 1)					Month bay real	
N	Name (line 2)					Execution Date	
	Name (line 1)					Month Day Year	
	Name (line 2)		*****			Execution Date Month Day Year	
N	Name (line 1)					7	réles
akon stilik i e on K	Name (line 2)	est and antiquities are a still lower the destinate for the	Management (Ed. 1988)	And Controller	· Mille he wastiffed to a substitute	S MA THE SECTION OF T	10441-394
	eceiving Par			Mark if additional nam	es of receiving part	ties attached	
Eı	nter additional Re -	ecelving Party(les)					
	Name (line 1)					if document to be recorded ls an assignment and the	
	Name (line 2)					recelving party is not domiciled in the United States, an appointment of a domestic representative	
4	Address (line 1)					Is attached. (Designation must be a separate	
'	Address (line 2)					document from Assignment)	
	Address (line 3)	City		State/Country	Zip C	ode	
	Name (line 1)					If document to be recorded is an assignment and the	•
	Name (line 2)					receiving party is not domicited in the United States, an appointment of a	
	Address (line 1)					domestic representative is attached. (Designation must be a separate document from	
	Address (line 2)	L				Assignment.)	
	Address (line 3)	City		SALL IO			r¥ë
A	pplication N	umber(s) or Pater	nt Number(s)	State/Country Mark if additiona	al numbers attached	Code	
		Patent Application Number	• •	1.)			
	Pat 09/417991	tent Application Num	nber(s)		Patent Nun	nber(s)	
	09/449016						
	09/390044						
					7		
-	1				7		
L			L		J L		

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, Yakov Kamen of 19334 Greenwood Dr., Cupertino, CA 95014, and Leon Shirman of 870 Seminole Way, Redwood City, CA 94062, hereby sell, assign and transfer to ISURFTV, a California corporation, having a place of business at 413 Tasman Drive, Sunnyvale, CA 94089, its successors and assigns, the entire right, title and interest throughout the world in our following inventions.

- Our invention entitled "Method and Apparatus for Using a General Three-Dimensional (3D) Graphics Pipeline for Cost Effective Digital Image and Video Editing, Transformation and Representation," for which we filed U.S. Patent Application 09/344,442 on June 25, 1999 (docket number isurfTV1).
- 2. Our invention entitled "Method and Apparatus for 3D Model Creation Based on 2D Images" for which we filed U.S. Patent Application 09/361,470 on July 27, 1999 (docket number isurfTV2).
- 3. Our invention entitled "Mechanism and Apparatus for Realistic 3D Model Creation Using Interactive Scissors" for which we filed U.S. Patent Application 09/374,876 on August 16, 1999 (docket number isurfTV3).
- 4. Our invention entitled "Remote Control Device" for which we filed U.S. Patent Application 09/378,270 on August 20, 1999 (docket number isurfTV4A).
- 5. Our invention entitled "Novel Method and Apparatus for Controlling Video Programming" for which we filed U.S. Patent Application 09/378,184 on August 20, 1999 (docket number isurfTV4).
- 6. Our invention entitled "Bandwidth Effective Method for Communicating Interactive Links" for which we filed U.S. Patent Application 09/390,047 on September 3, 1999 (docket number isurfTV9).
- 7. Our invention entitled "Use of Templates for Cost-Effective Secure Linking of Video Streams" for which we filed U.S. Patent Application 09/417,991 on October 15, 1999 (docket number isurfTV10).
- 8. Our invention entitled "Method for Using Banner Advertisements During Commercial Breaks" for which we filed U.S. Patent Application 09/449,016 on November 24, 1999 (docket no. isurfTV11).
- 9. Our invention entitled "Method and Apparatus for Interactive Marking of Moving Objects in Video Streams and Animated Image Sequences" for which we filed U.S. Patent Application 09/390,044 on September 3, 1999 (docket number isurfTV7).

Attorney Docket No.: ISURFTV

- 10. Our invention entitled "Method and Apparatus for Recognition of Optimal Intermediate Key Frame for Object Tracking in Video Streams and Animated Sequences" for which we filed U.S. Patent Application 09/389,916 on September 3, 1999 (docket number isurfTV8).
- Our invention entitled "Method and Apparatus for Using a 3D Graphics Pipeline and 3D Imaging For Cost Effective Watermarking" for which we filed U.S. Patent Application 09/398,568 on September 16, 1999 (docket number isurf TV5).
- 12. Our invention entitled "Electronic Programming Guide", for which we filed U.S. Patent Application 09/488,361 on January 16, 2000 (docket number isurfTV12).
- 13. Our invention entitled "Method and Apparatus for Cost Effective Digital Image and Video Editing, Using General 3D Graphics Pipeline" for which we filed PCT Patent Application PCT/US00/002838 (docket no. isurfTV1-PCT)

We also assign to ISURFTV all patent applications and patents of every country for said inventions, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said inventions, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said inventions in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said inventions to the above-named assignee, its successors and assigns.

State of California) ss Couraty of Santa Clara) State of California (Couraty of Santa Clara) NHVI NHH (Couraty of Santa Clara)

on Sept 5, 2000, before me, VON Kamen personally appeared Wakov Kamen, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument he executed the instrument.

WITNESS my hand and official seal

al

Signature of Notary

Attorney Docket No.: ISURFTV

Executed this 5 day of September . 2000.
Lean A Shia
Leon Shirman
HELEN JAHN Commission # 1249040 Notary Public - College &
County of Santa Clara) Sonta Clara County My Comm. Beplea Jon 19, 2004 Leon Shirman
on Sept. 5, 2000, before me, the terr personally
appeared Leon Shirman, personally known to me or proved to me on the basis of satisfactory
evidence to be the person whose name is subscribed to the within instrument and acknowledged
to me that he executed the same in his authorized capacity, and that by his signature on the
instrument he executed the instrument.

WITNESS my hand and official seal

Signature of Notary

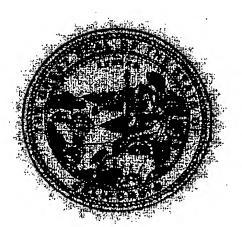




SECRETARY OF STATE

I, *Kevin Shelley*, Secretary of State of the State of California, hereby certify:

That the attached transcript of _____ page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.



IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

.101 - 7 2003

Secretary of State

Sec/State Form CE-107 (rev. 1/03)

A0598551

CERTIFICATE OF AMENDMENT

In the office of the Secretary of State of the State of California

JUL - 7 2003

KEVIN SHELLEY Secretary of State

OF ISURFTV

Gene Feroglia and Katherine Y. Marshall certify that:

- 1. They are the duly elected and acting President and Secretary, respectively, of iSurfTV, a California corporation (the "Corporation").
- 2. Article I of the Corporation's Fourth Amended and Restated Articles of Incorporation, which were filed with the California Secretary of State on July 12, 2002, which presently reads as follows:

"The name of the Corporation is iSurfTV"

is amended to read as follows:

"The name of the corporation is Etalon Systems, Inc."

- 3. The foregoing amendment of the Fourth Amended and Restated Articles of Incorporation has been duly approved by the Board of Directors of the Corporation.
- 4. The foregoing amendment of the Fourth Amended and Restated Articles of Incorporation has been duly approved by the required vote of the shareholders of the Corporation in accordance with Sections 603 and 903 of the California General Corporation Law. The total number of outstanding shares of this corporation entitled to vote with respect to the foregoing Certificate of Amendment to Fourth Amended and Restated Articles of Incorporation was 9,083,535 shares of Common Stock, 937,500 shares of Series A Preferred Stock, 3,246, 373 shares of Series B Preferred Stock, 411,523 shares of Series B-1 Preferred Stock and 1,028,513 shares of Series C Preferred Stock. The number of shares voting in favor of the amendment equaled or exceeded the vote required, such required vote being at least a majority of the total number of outstanding shares of Preferred Stock and at least a majority of the total number of outstanding shares of Preferred Stock and at least a majority of the total number of outstanding shares of Preferred Stock.

The undersigned declares under penalty of perjury under the laws of the State of California that he has read the foregoing Certificate of Amendment and that the matters set forth in this Certificate are true and correct to his own knowledge.

Executed at Sunnyvale, California on July 5

Gene Feroglia, President

Katherine Y. Marshall, Secretary

Gray Cary\PA\10024873.1

Docket No.: 90795/12650

FORM PTO-1595 (Modified) (Rev. 03-01)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Pos/REV03	ATENTS ONLY Patent and Trademark Office
Tab settings → → ▼	Y Y Y Y
To the Honorable Commissioner of Patents and T	rademarks: Please record the attached original documents or copy thereof.
Name of conveying party(ies): Etalon Systems, Inc.	2. Name and address of receiving party(ies): Name: Eagle New Media Investments, LLC
A 4 200	Internal Address: c/o Tribune Media Services, Inc.
	⊠ No
3. Nature of conveyance:	
🛛 Assignment 🔲 Merger	Street Address: 435 North Michigan Avenue
☐ Security Agreement ☐ Change of	
Other	City: Chicago State: IL ZIP: 60611
Execution Date: July 14, 2003	
	Additional name(s) & address(es) attached? Yes No
4. Application number(s) or patent numbers(s):	
A. Patent Application No.(s) 09/854,334; 09/854,339; 09/783,886;	application, the execution date of the application is: B. Patent No.(s)
09/783,932; 09/844,642; 09/858,762; 09/875,546; 09/875,460; 09/875,707; 09/875,461; 09/875,547; 09/947,286; 09/733,824; 09/909,630; 10/029,784;	6,342,884; 6,456,287; 6,356,280; 6,452,594; 6,570,586; 6,229,541; 6,421,067; 6,205,485; and 6,525,728
	mbers attached? 🔀 Yes 🔲 No
5. Name and address of party to whom corresponder concerning document should be mailed:	6. Total number of applications and patents involved: 76
Name: Robert J. Depke	7. Total fee (37 CFR 3.41):\$ 3,040.00
Internal Address: Holland & Knight LLC	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
	Authorized to be charged to deposit account
Street Address: 131 South Dearborn, 30th Floor	8. Deposit account number:
	50-1597
City: Chicago State: IL ZIP:	60603 (Attach duplicate copy of this page if paying by deposit account)
9. Statement and signature.	DO NOT USE THIS SPACE
To the best of my knowledge and belief, the foregoing of the original document.	ng information is true and correct and any attached copy is a true copy
Philip W. Woo, Reg. No. 39,880	1 lu 10 2002
Name of Person Signing Total number of pages includin	Signature g cover sheet, attachments, and document: July 18, 2003 Date
Mali documents to be recorded with required cover sheet information to	

Docket No.: 90795/12650

FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0851-0027 (exp.5/31/2002) P06/REV/03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERC

P08/REV03	PAIEN	IS ONLY		ratetit and 10	agemank Omo
Tab settings → → ▼	▼ ▼	▼ ▼		~	_
To the Honorable Commissioner	of Patents and Trademarks	: Please record the atta	ached original docu	ments or co	Py thoroof
Name of conveying party(ies): Etalon Systems, Inc.		2. Name and address	ss of receiving part	y(ies):	py thereon.
		Name: Eagle New	w Media Investment	ts, LLC	
		Internal Address:	c/o Tribune Media	a Services, Ir	1c.
Additional names(s) of conveying party(les	Yes 🛭 No				
3. Nature of conveyance:					
🛚 Assignment	☐ Merger	Street Address:	435 North Michigan	3 Avenue	
☐ Security Agreement	☐ Change of Name				
☐ Other		City: Chicago	Star	te: IL ZI	P: 60611
Execution Date: July 14, 2003		Additional name(s) & a	address(es) attached	l? 🔲 Yes	⊠ No
4. Application number(s) or patent n	umbers(s):				
If this document is being filed tog	ether with a new application	n, the execution date of	the application is:		
A. Patent Application No.(s)		B. Patent No			· ·
09/854,334; 09/854,339; 0 09/783,932; 09/844,642; 0	9/783,886; 0/858.763.	6.342.884: 6.4	56,287; 6,356,286	በ <i>• 6 ለ</i> 5ን 50	14.
09/875,546; 09/875,460; 0	9/87 5 .707•	6,570,586; 6,2	29,541; 6,421,06°	7: 6.205.4 8	15:
09/875,461; 09/875,547; 0	9/947,286;	and 6,525,728	, , , , , , , , , , , , , , , , , , , ,	., -,,	-,
09/733,824; 09/909,630; 1	0/029,784;				
	Additional numbers attac	ched? 🖾 Yes 🔲 N	ło		
Name and address of party to who concerning document should be n	om correspondence nailed:	6. Total number of a	pplications and pate	ents involve	d: 76
Name: Robert J. Depke		7 Total foo (27 OFF	0.44)		
internal Address: Holland & Knig	ght LLC	7. Total fee (37 CFR			
		Enclosed - Any credited or det	y excess or insuffic pited to deposit acc	iency should ount	d be
		Authorized to t	e charged to depo	sit account	
Street Address: 131 South Dearbo	orn, 30th Floor	8. Deposit account nu	ımber:		
			50-1597		
City: Chicago S	tate: IL ZIP: 60603	(Attach duplicate copy	y of this page if paying t	by deposit acc	ount)
Statement and signature.	DO NOT L	ISE THIS SPACE			
To the best of my knowledge and to of the original document.	pellef, the forègoing informa	tion is true and correct	and any attached (copy is a tru	ө сору
Philip W. Woo, Reg. No. 39,880		h	Y 40	2002	
Name of Person Signing		Signature	July 18		
	r of pages including cover she	et, attachments, and doc	ument:	Date	
	Mail documents to be recorded with re	author control of			

10/071,091; 10/087,975; 10/159,543; 10/166,810; 10/171,024; 10/171,230; 10/177,462; 10/177,502; 10/179,708; 10/179,713; 10/171,352; 09/718,595; 10/039,589; 10/144,055; 10/156,167; 09/449,016; 09/784,961; 09/784,840; 09/691,794; 09/691,792; 09/691,796; 09/704,387; 09/708,220; 09/691,790; 09/752,612; 09/844,998; 09/653,518; 09/782,896; 09/665,367; 09/782,916; 09/664,843; 09/661,164; 09/664,844; 09/773,806; 09/773,771; 09/733,310; 09/996,456; 10/157,437; 10/351,228; and 10/351,027

ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

- A. WHEREAS, Etalon Systems, Inc., a California corporation formerly known as iSurfTV ("Assignor"), and Eagle New Media Investments, LLC, a Delaware limited liability company ("Assignee"), are parties to that certain Asset Purchase Agreement dated as of July 2, 2003 (the "Purchase Agreement"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;
- B. WHEREAS, Assignor, warrants, affirms, and declares, without limitation, that Assignor is the sole owner of all rights in or under the intellectual property rights identified on Schedule A attached hereto.
- C. WHEREAS, Assignee desires to acquire all intellectual property rights identified on Schedule A attached hereto.
- D. NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby irrevocably sells, transfers, conveys and assigns to Assignee, its successors and assigns all intellectual property rights identified on Schedule A attached hereto and all goodwill associated therewith.
- E. Assignor and Assignee agree and confirm that the worldwide intellectual property rights that are hereby sold, transferred, conveyed and assigned to Assignee herein specifically include, without limitation, the following:
 - 1. the patents, patent registrations, patent applications (including, without limitation, provisional applications, and regardless of whether such applications are current or abandoned) and abandoned patents identified on Schedule A (the "Patents"), including all patent licenses, divisional applications, continuing applications, continuation-in-part applications, reissue filings and reissue patents, reexamination filings and reexamined patents, and the inventions disclosed and claimed in these Patents;
 - 2. all trademarks, service marks, trade names and company names, whether registered or unregistered, identified on Schedule A (the "Marks"), including, trademark and service mark registrations and renewals thereof, use-based applications for registration, and intent-to-use applications for registration, and all goodwill associated with the foregoing;
 - 3. all copyrights identified on Schedule A (the "Copyrights"), including any and all renewals, reversions and extensions thereof; and
 - 4. all claims, demands and causes of action which relate to any infringement of the Patents, Marks, or Copyrights, including rights to all past damages, profits

Gray Cary\SF\3090577.5 2100022-900800 and other monetary and other remedies available, arising or accruing by reason of any infringement that has occurred prior to the effective date of this Assignment of Intellectual Property Rights, and to sue for and collect same by the Assignee for the use and benefit of the Assignee and its successors and assigns.

- F. Assignor further hereby appoints Assignee as its attorney-in-fact with respect to the Patents, Marks and Copyrights, to act in Assignor's name, place and stead to execute, deliver and record any instrument of assignment or other document in any country in which the Patents, Marks and/or Copyrights are or were pending or issued, granting, confirming, perfecting the transfer of or otherwise relating to the rights assigned herein.
- G. Assignor agrees that it shall execute all documents reasonably necessary to perfect Assignee's title to the Patents, Marks and Copyrights.
- H. Nothing contained herein in any way limits the scope of the Purchased Assets being transferred by Assignor to Assignee pursuant to the Purchase Agreement.
- I. The Assignor and Assignee acknowledge that this Assignment of Intellectual Property Rights may be executed in counterparts, each of which will be deemed an original, but both of which together will constitute one and the same instrument.

IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this 146 day of July, 2003.

ETALON SYSTEMS, INC., formerly known as ISURFTV, Assignor

By:
Name:
Title:

EAGLE NEW MEDIA INVESTMENTS, LLC, Assignee

By Tribune Company, its sole manager

By:
Name:

Title:

IN WITNESS WHEREOF Assignor and Assignee have executed this Assignment of Intellectual Property Rights this _____ day of July, 2003.

ETALON SYSTEMS, INC., formerly known as ISURFTV, Assignor

By: Name:

Title:

EAGLE NEW MEDIA INVESTMENTS, LLC, Assignee

By Tribune Company, its sole manager

By: Mavel ()
Name: David J. Granat
Title: Vice President

STATE OF CALIFORNIA)	
) SS.: COUNTY OF SHATE CLAMA)	
On this 11 day of July, 2003, b	to be President & CEO , ME merly known as iSurfTV, the corporation which
Vihang Desa	Notary Public My Commission expires May 20th, 200
	VEHANG N. DEEM Commission # 1419000 Notary Public - California Santa Clara County (Commission May 2019087) beared
of Tribune Company, the so LLC, the corporation which executed the forego he executed the same.	ole manager of Eagle New Media Investments
	Notary Public My Commission expires

STATE OF CALIFORNIA)	
) SS.:	
COUNTY OF	
	, before me personally appeared
, to me known and know	n to be, the
	ormerly known as iSurfTV, the corporation which
executed the foregoing instrument, and he ack	nowledged to me that he executed the same.
	Notary Public
	My Commission expires
•	wry Commission expires
STATE OF ILLINOIS)	
) SS.:	
COUNTY OF COOK)	
0 41	
	, before me personally appeared David J. Granat, to
	of Tribune Company, the sole manager of Eagle
	which executed the foregoing instrument, and he
acknowledged to me that he executed the same	e.
Cardenly Lope	
	Notary Public
ÓFFIONIL SEAL	My Commission expires 9-19-06
KONBENLY LOPEZ	-
NOTARY PUBLIC - PTATE OF ILLINOIS MY COMMITTEE PRINCIPS: 00, 40, 44	
A SAME OF THE PARTY OF THE PART	•

SCHEDULE A

Marks Title: iSurfTV Reg. No.: Date registered: Title: SurfGuide Reg. No.: Date registered: Title: SurfSuite Reg. No.: Date registered: Title: SurfLine Reg. No.: Date registered: Title: SurfLink Reg. No.: Date registered: Title: SurfServer Reg. No.: Date registered: Copyrights Title: SurfServer source code and all related documentation. Reg. No.: Date registered: Title: SurfLine source code and all related documentation. Reg. No.: Date registered: Title: SurfGuide source code and all related documentation. Reg. No.: Date registered: Patents See attached spreadsheet.

Gray Cary\SF\3090577.5 2100022-900800 SF1 1374620v4

SCHEDULE A Issued Patents

SurfTV				
Docket				
Number	Patent Number	Title	Inventor(s)	Issue Date
-	6,342,884	Method and apparatus for using a general three-	Kamen, Yakov;	29-Jan-2002
	-	dimensional (3D) graphics pipeline for cost effective digital Shirman, Leon	Shirman, Leon	
		image and video editing, transformation, and representation		
2	6,456,287	Method and apparatus for 3D model creation based on 2D Kamen, Yakov,	Kamen, Yakov;	24-Sep-2002
		images	Shirman, Leon	
က	6,356,280	Mechanism and apparatus for realistic 3D model creation	Kamen, Yakov;	12-Mar-2002
		using interactive scissors	Shirman, Leon	
သ	6,452,594	Method and apparatus for using a 3D graphics pipeline	Kamen, Yakov;	17-Sep-2002
		and 3D imaging for cost effective watermarking	Shirman, Leon	,
တ	6,570,586	Bandwidth effective method for communicating interactive Kamen, Yakov,	Kamen, Yakov;	27-May-2003
		links	Shirman, Leon	•
우	6,229,541	Use of templates for cost-effective secure linking of video	Kamen, Yakov;	8-May-2001
		stream objects	Shirman, Leon	
7	6,421,067	Electronic programming guide	Kamen, Yakov;	16-Jul-2002
			Shirman, Leon	
72	6,205,485	Simulcast WEB page delivery using a 3D user interface	Kikinis, Dan	20-Mar-2001
		system		
9/	6,525,728	Method and apparatus for using a general three-	Kamen, Yakov;	25-Feb-2003
		dimensional (3D) graphics pipeline for cost effective digital Shirman, Leon	Shirman, Leon	
		image and video editing, transformation, and		
		representation		
			The state of the s	

SCHEDULE A Published Patent Applications

Docket Application Title Inventor(s) 20 20020059605 Universal programming system and method for EPG with Kikinis, Dan; localized interactive content Kamen, Yakov 21 20020059606 Universal programming system and method for EPG with Kikinis, Dan; added offline archive Kamen, Yakov 23 20020054066 Wethod and system for inputting time in a video Kikinis, Dan; Kamen, Yakov 25 20010035884 Method and system for inputting time in a video Kikinis, Dan; Kamen, Yakov 26 20020005910 Novel cursor control system Kikinis, Dan; Kikinis, Dan; Remote control of program scheduling Kikinis, Dan; Kikinis, Dan; Remote control of program scheduling Kikinis, Dan; Kikinis, Dan; Kikinis, Dan; Mikinis, Dan; Interactivity using voice commands Kamen, Yakov 39 20020019928 Enhanced home entertainment system with removable Kikinis, Dan; Kamen, Yakov 39 20020019938 Enhanced book-marking system for existing set-top boxes Kikinis, Dan 40 20020019988 Enhanced home entertainment system with removable Kikinis, Dan	SurfTV	USPTO			Date Application		
Number 20020059605 Universal programming system and method for EPG with localized interactive content 20020059606 Universal programming system and method for EPG with added offline archive 20020054066 Method and system for inputting time in a video environment using silders 200200054066 Method and system for inputting time in a video environment using silders 20020005910 Novel cursor control system 200200019980 Remote control of program scheduling 20020019980 Remote control of program scheduling 20020019986 Remote control of program scheduling 20020019732 Interactivity using voice commands Interactivity	Docket	Application			Number	Serial	
20020059605 Universal programming system and method for EPG with localized interactive content 20020059606 Universal programming system and method for EPG with added offline archive 20020054066 Method and system for inputting time in a video environment using sliders 20020074069 Method and system for inputting time in a video environment using sliders 2002007988 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020019980 Remote control of program scheduling 20020019980 Remote control of program scheduling 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Interactivity using voice commands 20020049982 Interactivity using those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020047849 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	Number	Number	Title	Inventor(s)	Assigned	Number	Filing Date
20020059606 Universal programming system and method for EPG with added offline archive 20020054066 Method and system for inputting time in a video environment using silders 20010035884 Method and system for inputting time in a video environment using silders 20020007488 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020019980 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 2002004982 Interactivity using voice commands 20020049882 Interactivity using voice commands 20020049884 Interactivity using voice commands 2002004988 Interactivity using voice commands 2002004989 Interactivity using voice commands 2002004989 Interactivity using voice commands 2002004989 Interactivity using voice commands 20020047849 Interactivity using voice commands 20020047840 Interactivity using voice comma	20	20020059605		Kikinis, Dan; Kamen, Yakov	16-May-2002	09-854334	1.1-May-2001
added offline archive 20020054066 Method and system for inputting time in a video environment 20010035884 Method and system for inputting time in a video environment using sliders 20020005910 Novel cursor control system 20020007488 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 2002001925 Remote control of program scheduling 2002001925 Remote control of program scheduling 20020019732 Interactivity using voice commands 20020019732 Interactivity using voice commands 20020049982 Interactivity using voice commands 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and system for modification of a preferred	21	20020059606		Kikinis, Dan;	16-May-2002 09-854339	09-854339	11-May-2001
20020054066 Method and system for inputting time in a video environment 20010035884 Method and system for inputting time in a video environment using sliders 20020005910 Novel cursor control system 20020007488 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020019925 Remote control of program scheduling 20020059597 Method and apparatus for notifying users of interactive functions 20020019732 Interactivity using voice commands 20020049986 Enhanced home entertainment system with removable long-term storage 20020049989 Integrated book-marking system for existing set-top boxes including those without browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred			added offline archive	Kamen, Yakov			
environment 20010035884 Method and system for inputting time in a video environment using silders 20020005910 Novel cursor control system 20020019980 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020019985 Remote control of program scheduling 20020019986 Remote control of program scheduling 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020085090 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	23	20020054066		Kikinis, Dan;	9-May-2002 09-783886	09-783886	14-Feb-2001
20020005910 Method and system for inputting time in a video environment using sliders 20020005910 Novel cursor control system 20020007488 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020019980 Remote control of program scheduling 20020019980 Method and apparatus for notifying users of interactive functions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020019982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and system for generation of a preferred			environment	Kamen, Yakov			
environment using sliders 20020005910 Novel cursor control system 20020007488 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020019980 Remote control of program scheduling 20020019732 Method and apparatus for notifying users of interactive functions 20020019732 Interactivity using voice commands 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and sparatus for generation of a preferred	25	20010035884		Kikinis, Dan;	1-Nov-2001	1-Nov-2001 09-783932	14-Feb-2001
20020005910 Novel cursor control system 20020007488 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020019955 Remote control of program scheduling 20020019732 Remote control of program scheduling 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020019985 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020085090 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred			environment using sliders	Kamen, Yakov			
20020007488 Transparent object management for removable media recorders 20020019980 Remote control of program scheduling 20020010925 Remote control of program scheduling 200200199873 Method and apparatus for notifying users of interactive functions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	26	20020005910	Novel cursor control system	Kikinis, Dan	17-Jan-2002 09-844642	09-844642	27-Apr-2001
recorders 20020019980 Remote control of program scheduling 20020019980 Remote control of program scheduling 20020059597 Method and apparatus for notifying users of interactive functions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	ষ্ক	20020007488	Transparent object management for removable media	Kikinis, Dan;	17-Jan-2002 09-858762	09-858762	15-May-2001
20020019980 Remote control of program scheduling 20020010925 Remote control of program scheduling 20020019925 Remote control of program scheduling 20020019732 Method and apparatus for notifying users of interactive functions 20020019986 Enhanced home entertainment system with removable long-term storage 10020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred			recorders	Kamen, Yakov			
20020059597 Method and apparatus for notifying users of interactive functions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	35	20020019980	Remote control of program scheduling	Kikinis, Dan	14-Feb-2002 09-875546	09-875546	5-Jun-2001
20020059597 Method and apparatus for notifying users of interactive functions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking unable to expand to support browsing or video data from video broadcasts 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	36	20020010925	Remote control of program scheduling	Kikinis, Dan	24-Jan-2002 09-875460	09-875460	5-Jun-2001
functions 20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking unable to expand to support browsing or interactive linking video broadcasts 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020085090 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	37	20020059597	Method and apparatus for notifying users of interactive	Kikinis, Dan;	24-Jan-2002 09-875707	09-875707	5-Jun-2001
20020019732 Interactivity using voice commands 20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking unable to expand to support browsing or interactive linking video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred			functions	Kamen, Yakov			
20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020087849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	ထ္ထ	20020019732		Kikinis, Dan;	14-Feb-2002 09-875461	09-875461	5-Jun-2001
20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred				Kamen, Yakov;			
20020019986 Enhanced home entertainment system with removable long-term storage 20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred				Feroglia, Gene			
20020049982 Integrated book-marking system for existing set-top boxes including those without browsing capabilities and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	33	20020019986	Enhanced home entertainment system with removable long-term storage	Kikinis, Dan	14-Feb-2002 09-875547	09-875547	5-Jun-2001
20020085090 Method and apparatus for generation of a preferred mincluding and those unable to expand to support browsing or interactive linking 20020073428 Downloading and transfer of audio or video data from video broadcasts 20020087849 Method and system for modification of EPG object attributes	40	20020049982		Kikinis, Dan	25-Apr-2002 09-947286	09-947286	5-Sep-2001
20020073428 Downloading and transfer of audio or video data from video broadcasts 20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred			unable to expand to support browsing or interactive linking				
20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	45	20020073428	Downloading and transfer of audio or video data from	Gurevich, Leonid;	13-Jun-2002 09-733824	09-733824	8-Dec-2000
20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred			video broadcasts	Kazantsev, Sergei; Olkha, Lev;			
20020047849 Method and system for modification of EPG object attributes 20020085090 Method and apparatus for generation of a preferred	,			Zaslavsky, Eduard		•	
20020085090 Method and apparatus for generation of a preferred	46	20020047849	Method and system for modification of EPG object attributes	Kamen, Yakov	25-Apr-2002 09-909630	08-808630	19-Jul-2001
producasted programs list	47	20020085090	Method and apparatus for generation of a preferred broadcasted programs list	Kamen, Yakov	4-Jul-2002 10-029784	10-029784	19-Oct-2001

SCHEDULE A
Published Patent Applications

	USPTO			Date Application		
	Application				Serial	
_	Number	Title	Inventor(s)	Assigned	Number	Filing Date
48	20020083452	Method and system for inserting a new channel into a list of preferred channels	Kikinis, Dan	27-Jun-2002	10-029508	19-Oct-2001
49	20020087595	Method and apparatus for virtual editing of multimedia presentations	Friedman, Glen; Kikinis Dan	4-Jul-2002	4-Jul-2002 09-997713	29-Nov-2001
20	20020087985	Methods and apparatuses for displaying meaningful abbreviated program titles	Kamen, Yakov; Shkolnik Boris	4-Jul-2002	09-997336	29-Nov-2001
25	20020083450	Method and system for content-based broadcasted program selection	Kamen, Yakov; Kikinis, Dan	27-Jun-2002 10-008229	10-008229	30-Nov-2001
53	20020093594	Method and system for identifying addressing data within a Kikinis, Dan television presentation	Kikinis, Dan	18-Jul-2002 10-011856	10-011856	4-Dec-2001
55	20020166122	Image-oriented electronic programming guide	Kikinis, Dan; Howe, Rick; Kamen, Yakov	7-Nov-2002 10-072114	10-072114	5-Feb-2002
99	20020113798	Modifying object geometry to accommodate information attributes	Kamen, Yakov	22-Aug-2002 10-059943	10-059943	28-Jan-2002
22	20020129369	Mechanism and apparatus for construction of modular-based interactive programming guides and TV portals	Kamen, Yakov	12-Sep-2002 10-059547	10-059547	28-Jan-2002
58	20020124264	Freezing live video frames with interactive links	Kikinis, Dan	5-Sep-2002	10-087778	1-Mar-2002
26	20020124254	Method and system for advertising based on the content of Kikinis, Dan selected channels or broadcasted programs	f Kikinis, Dan	5-Sep-2002 10-085886	10-085886	27-Feb-2002
09	20020188946	Method and system for interactive programming guide background selection	Kohne, Brian	12-Dec-2002 10-090206	10-090206	1-Mar-2002
61	20030014752	Method and apparatus for generating a mosaic style electronic programming guide	Zaslavsky, Eduard; Olkha, Lev	16-Jan-2003 10-157574	10-157574	28-May-2002
63	20020129370	mplementing an electronic	Kikinis, Dan	12-Sep-2002 10-071091	10-071091	7-Feb-2002
28	20020122079	Multimedia interactive device function selection based upon button depression duration	Kamen, Yakov; Kikinis, Dan	5-Sep-2002 10-087975	10-087975	1-Mar-2002
92	20030023976	Novel method for making selections in search criteria in TV EPGs	Kamen, Yakov; Kikinis, Dan; Kohne, Brian	30-Jan-2003 10-159543	10-159543	31-May-2002

SCHEDULE A Published Patent Applications

SurfTV	USPTO			Date Application		
Docket	Application			Number	Serial	
Number	Number	Title	Inventor(s)	Assigned	Number	Filing Date
99	20030046698	Methods and apparatuses for conducting a TV EPG search in various search time periods	Kamen, Yakov; Kikinis, Dan; Kimball Brian	6-Mar-2003 10-166810	10-166810	10-Jun-2002
29	20030011636	Method for magnifying images on a display screen and an interactive television guide system implementing the method	Feroglia, Gene; Kohne, Brian; Kikinis, Dan	16-Jan-2003 10-171024	10-171024	11-Jun-2002
89	2003009757	Method for displaying channel listings in an electronic program guide and an electronic program guide	Kikinis, Dan	9-Jan-2003 10-171230	10-171230	11-Jun-2002
69	2003001470	Methods and system for controlling access to individual titles	Kamen, Yakov	16-Jan-2003 10-177462	10-177462	19-Jun-2002
0.2	20030007782	Method and system for replacing/obscuring titles and descriptions of recorded content	Kamen, Yakov	9-Jan-2003 10-177502	10-177502	19-Jun-2002
71	20030023980	Customer self service in interactive TV environment for TV Kikinis, Dan; programming packages Kamen, Yakı	Kikinis, Dan; Kamen, Yakov; Kimball Brian	30-Jan-2003 10-179708	10-179708	24-Jun-2002
72	20030014546	Method and system for enabling visitors to subscribe to currently-viewed programming packages	Kikinis, Dan; Feroglia, Gene; Kamen, Yakov; Kimball, Brian	16-Jan-2003 10-179713	10-179713	24-Jun-2002
74	20030028881	Method for providing program information in a hierarchical manner and interactive program guide system implementing the method	Kazantsev, Sergei; Olkha, Lev; Zaslavsky, Eduard; Turivnenko, Semey	6-Feb-2003 10-171352	10-171352	11-Jun-2002
75	20020073219	Simulcast web page delivery	Kikinis, Dan	13-Jun-2002 09-718595	09-718595	21-Nov-2000
77	20020093513	Mechanism and apparatus for realistic 3D model creation using interactive scissors	Kamen, Yakov; Shirman, Leon	18-Jul-2002 10-039589	10-039589	4-Jan-2002
81	20020167515	or 3D model creation based on 2D	Kamen, Yakov; Shirman, Leon	14-Nov-2002 10-144055	10-144055	10-May-2002
82	20020171686	Electronic programming guide	Kamen, Yakov; Shirman, Leon	21-Nov-2002 10-156167	10-156167	28-May-2002

1

SCHEDULE A Other Pending Applications

	Bui	PCT Number	13-Nov-2000 WO 01-39493	16-Feb-2001 WO 01-61996	16-Feb-2001 WO 01-60142				3-Apr-2001 WO 01-78014	10-Apr-2001 WO 01-82594						21-May-2001 WO 02-25626			9-Apr-2001 WO 01-95694					
	ity PCT Filing					94	92	98	 	<u> </u>	8	12	86	8	8	+	\vdash	E3	<u> </u>	4		Q	ļ.	1
	ig USPTO Utility		999 09-449016	09-784961	09-784840	000 09-691794	09-691792	000 09-691796	000 09-704387	00-708220	09-691790	00 09-752612				00 09-665367			00 09-661164	00 09-664844		00 09-773806	00 09-773771	
	al Utility Filing		24-Nov-1999	8 15-Feb-2001	0 15-Feb-2001	7 18-Oct-2000	9 18-Oct-2000	3 18-Oct-2000	7 31-Oct-2000	3 7-Nov-2000	18-O⊄-2000	3 29-Dec-2000	_			19-Sep-2000	_		13-Sep-2000	19-Sep-2000		8-Dec-2000	8-Dec-2000	·
	Provisional	Number	N/A	000 60-182838	000 60-182870	000 60-190327	000 60-190349	000 60-192163	000 60-194977	000 60-199013	000 60-195161	000 60-202303	000 60-200514	<u></u>	00 60-203496	00 60-203128		00 60-208883	00 60-211355	00 60-224824		00 60-229249	00 60-229250	
	Provisional	Filing Date	N/A	16-Feb-2000	16-Feb-2000	16-Mar-2000	16-Mar-2000	27-Mar-2000	5-Apr-2000	20-Apr-2000	6-Apr-2000	5-May-2000	27-Apr-2000	20-Apr-2000	11-May-2000	8-Mav-2000	16-May-2000	2-Jun-2000	13-Jun-2000	11-Aug-2000		30-Aug-2000	30-Aug-2000	
		Inventor(s)	Kamen, Yakov; Shirman, Leon		r Kamen, Yakov,	Kamen, Yakov;	Kamen, Yakov; Shirman Leon	Kikinis, Dan	Kikinis, Dan	Kamen, Yakov; Shirman, Leon	Kikinis, Dan	Kikinis, Dan	Kikinis, Dan	Kikinis, Dan	Kikinis, Dan	Kikinis, Dan	Kikinis, Dan	Kamen, Yakov; Kikinis, Dan	Kamen, Yakov; Kikinis, Dan	Olkha, Lev; Gurevich, Leonid; Kazantsev, Sergei;	Zaslavsky, Eduard	Olkha, Lev; Gurevich, Leonid; Kazantsev, Sergei;	Olkha, Lev; Girevich Leonid:	Kazantsev, Sergei;
		7	Method for using banner advertisements during commercial breaks	Method and apparatus for controlling the movement or changing the appearance of a three-dimensional element	Mechanism and apparatus for a 3D enabled web navigator	Method and system for optimal usage of memory for storing scheduling and quinte data in 30 analysed EDC	Method and system for adaptive electronic programming guide	Novel method for EPG use in conjunction with object databases	Real world/virtual world correlation system using a 3D graphics pipeline	Universal programming system for EPG	Novel method for EPG use in conjunction with objects	New method for finding the same or similar shows	Dual-screen set-top box	Novel time/channel navigation method for EPGs	3D enhanced advertising for regular TV broadcast of 2D video	Three-dimensional light electronic programming guide	Localized advertising using localized 3D templates	Perpendicular view three-dimensional electronic programming guide	Insertion of recorded media into a broadcast	Enhanced interactive messaging environment		1-commerce of non-video information associated with TV programs	Real-time notification of TV shows matching specified criteria	
Surfix	Docket	Number	=	<u>ნ</u>	4	5	16	17	82	6	22	24	27	78	73	ຂ	÷ (35	ន	4		24	43	

SCHEDULE A Other Pending Applications

(IS)				1				
Docket Number	Title	Inventor(s)	Provisional Filing Date	Provisional Number	Utility Filing Date	USPTO Utility Serial Number	PCT Filing Date	PCT Number
4	Enhanced integrated book-marking system for existing set	12	6-Sep-2000	60-230494	2000	09-733310		
	top boxes including those without browsing capabilities							
	and those unable to support browsing or interactive linking	-		-				
		Zaslavsky, Eduard; Kikinis. Dan						
51	Alphabetic search using single application of keys	Kikinis, Dan	1-Dec-2000	60-250980	28-Nov-2001	09-996456	3-Dec-2001	3-Dec-2001 WO 02-44880
62	A method for implementing an electronic program guide	Zaslavsky, Eduard; Kikinis, Dan	29-May-2001	60-294455	28-May-2002	10-157437		
73	Use of templates for cost-effective secure linking of video	1			26-Mar-2001			
	stream objects	Shirman, Leon						
28	Enhanced personal video recorder architecture	Kikinis, Dan	25-Jan-2002	60-352187	25-Jan-2003	10-351228		
79	Audio command and response for IPGs	Kikinis, Dan	25-Jan-2002	60-352142	25-Jan-2003	10-351027		
8	Multi-viewpoint portholes in a 3D rendering environment	Kamen, Yakov; Mizutani Yoshihiro	28-Feb-2002	60-360582				
83	Simulcast WEB page delivery using a 3D user interface	Kikinis, Dan						
	system					-		
\$	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
82	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
98	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
87	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
88	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
68	Simulcast WEB page delivery using a 3D user interface system	Kikinis, Dan						
8	Compact IPG	Ezekwe, David						
91	Method of video recording spam control for a high- capacity storage system	Kamen, Yakov						
92	Mechanism and apparatus for adaptive, fast, cost effective	Gordon, louri:						
	texture mapping in 3D rendering							
		Kazantsev, Serger;						
		Kamen, Takov. Misutani, Yoshihiro						
83	Mechanism and apparatus for adaptive event description generation using multi-resolutional description database	Kamen, Yakov						
ጀ	Method and apparatus for effective content recording in digital personal video recorders	Kamen, Yakov						
				-	T.			

SCHEDULE A
Other Pending Applications

V L LIDCI								
Docket			Provisional	Provisional	Provisional Lifelity Filing LISPITO LIFE	USPTO LIMITE	DCT Eiling	
Number Title	Title	Inventor(s)	Filing Date	Number	Date	Date Serial Number		PCT Number
95	Method and apparatus for effective information storage in	+-	6		2000		3	
	high-capacity personal video recorders							
8	Using XML-based descriptors and procedural texture	Kamen, Yakov						
	mapping pipeline to generate text-based textures							
					The state of the s			

SCHEDULE A Combined Patent Applications

ISurfTV Docket Number Titte	THIG	inventor(s)	Provisional Filing Date	Provisional Provisional Filing Date Number	Utility Filing Date	USPTO Utility Serial Number	PCT Filing Date	CT Filling PCT Number NOTES	NOTES
7	Method and apparatus for interactive marking of moving Kamen, Yakov; objects in video streams and animated image sequences Shirman, Leon	ing Kamen, Yakov; ices Shirman, Leon	NA VA	N/A	63		2-Sep-1999	WO 01-18676	2-Sep-1999 WO 01-18676 PCT combined -Docket #9
89	Method and apparatus for recognition of optimal Intermediate key frame for object tracking in video streams and animated sequences	Kamen, Yakov; Shirman, Leon	N/A	N/A	3-Sep-1999		2-Sep-1999	WO 01-18676	2-Sep-1999 WO 01-18676 PCT combined -Docket #9

SCHEDULE A Abandoned Patent Applications

iSurfTV Docket			Provisional	Provisional	Utility Provisional Utility Filing Serial	USPTO Utility Serial	PCT Filing	
Number Title	Title	Inventor(s)	Filing Date	Number	Date Number	Number	Date	Date PCT Number
4	Novel method and apparatus for controlling video	Kamen, Yakov;	3-Feb-1999	N/A	N/A 20-Aug-1999	N/A	2-Feb-2000	2-Feb-2000 WO 00-46680
	programming	Shirman, Leon						
4a	Remote control device	Kamen, Yakov;	25-Jun-1999		N/A 20-Aug-1999		2-Feb-2000	N/A 2-Feb-2000 WO 00-46680
		Shirman, Leon						

SCHEDULE A Foreign Patent Filings

Attorney	SurfTV Docket	Reference No.	International Filing Date	PCT Application #	Publication No.	Status	Additional Information
			9	-			
BSTZ	13	P001PCT	16-Feb-2001	Feb-2001 PCT/US01/05056	WO 01/61996 A1	Published 08/23/2001	Written Opinion mailed 7/24/02
BSTZ	18	P006PCT	3-Apr-2001	-Apr-2001 PCT/US01/11165	WO 01/78014 A1	Published 10/18/2001	Prelim Exam mailed 4/19/02
BSTZ	21	P017PCT	11-May-2001	11-May-2001 PCT/US01/15405	WO 01/86949 A1	Published 11/15/2001	Prelim Exam mailed 2/25/2002
BSTZ	39	P027PCT	10-Aug-2001	10-Aug-2001 PCT/US01/41664	WO 02/15594 A1	Published 02/21/2002	Prelim Exam mailed 02/13/2003
BSTZ	48	P037PCT	19-Oct-2001	19-Oct-2001 PCT/US01/51571	WO 03/005147 A2	Published 01/16/2003	Response to Invitation to Correct
							Defects filed 12/09/2002
BSTZ	51	P051PCT	3-Dec-2001	3-Dec-2001 PCT/US01/46378	WO 02/044880 A1	Published 06/06/2002	Search Report mailed 3/25/02
BSTZ		P051CA	30-May-2003	30-May-2003 not yet assigned		awaiting exam	
BSTZ	53	P053PCT	4-Dec-2001	4-Dec-2001 PCT/US01/46802	WO 02/47390 A1	Published 06/13/2002	Search Report mailed 5/13/02
BSTZ	56	P056PCT	1-Feb-2002	-Feb-2002 PCT/US02/02670	WO 02/065313 A1	Published 08/22/2002	Search Report mailed 6/21/02
BSTZ	71	P071PCT	25-Jun-2002	25-Jun-2002 PCT/US02/20306	WO 03/001789 A2	Published 01/03/2003	Search Report mailed 12/18/02
						,	
	Surfiv Dockot		Informational	la constitue de la constitue d			
Attorney	Number	Reference No.	Filing Date	Application No.	PCT Application #	PCT Notes	
Leeds	1	isurfTV1-CN	3-Feb-2000	008032912	PCT/US00/02838	national phase	
Leeds	-	isurfTV1-EP	3-Feb-2000		PCT/US00/02838	regional phase	
Leeds	+-	isurTV1-JP	3-Feb-2000	2000-597760	PCT/US00/02838	national phase	
Leeds	2	isurTV2-EP	2-Feb-2000	00913354.7	PCT/US00/02786	regional phase	
Leeds	7	isurfTV7-CN	2-Sep-2000	00812075.7	PCT/US00/24263	national phase	
Leeds	7	isurTV7-EP	2-Sep-2000		PCT/US00/24263	regional phase	
Leeds	7	isurfTV7~JP		2001-522419	PCT/US00/24263	national phase	
Leeds	11	isurfTV11-EP	13-Nov-2000	00978601.3	PCT/US00/31195	regional phase	
Leeds	12	isurTV12-EP	12-Jan-2001		PCT/US01/01054	regional phase	
		CN = Chinese Patent Office	ant Office				
		EP = European Patent Office	tent Office				
		JP = Japanese Patent Office	ent Office				

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:
☐ BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
☐ FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
☐ GRAY SCALE DOCUMENTS
☐ LINES OR MARKS ON ORIGINAL DOCUMENT
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
Потигр

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.